ELSEVIER

Journal of Volcanology and Geothermal Research 74 (1996) 327

Journal of volcanology and geothermal research

Contents Volume 74, 1996

Research Papers

Origin of the Joya Honda maar, San Luis Potosí, México
J.J. Aranda-Gómez and J.F. Luhr 1

Thermal effects of magma degassing
D.L. Sahagian and A.A. Proussevitch 19

A model for the opening of ephemeral vents in a stationary lava flow
M. Dragoni and A. Tallarico 39

Sulfur, chlorine and fluorine degassing and atmospheric loading by the Roza eruption, Columbia River Basalt Group, Washington, USA
Th. Thordarson and S. Self 49

Pre-eruptive volatile content and degassing history of an evolving peralkaline volcano
J. Barclay, M.R. Carroll, B.F. Houghton and C.J.N. Wilson 75

In situ chemical fractionation in thin basaltic lava flows: examples from the Auckland volcanic field, New Zealand, and a general physical model
W. Rogan, S. Blake and I. Smith 89

Statistical analysis of New Zealand volcanic occurrence data
M.S. Bebbington and C.D. Lai 101

A Miocene basanite peperitic dyke at Stanley, northwestern Tasmania, Australia
Y. Goto and J. McPhie 111

Source strength assessment of volcanic trace elements emitted from the Indonesian arc
E.-Y. Nho, M.-F. Le Cloarec, B. Ardouin and W.S. Tjetjep 121

Scaling effects on vesicle shape, size and heterogeneity of lavas from Mount Etna
H. Gaonac'h, J. Stix and S. Lovejoy 131

Impure coolants and interaction dynamics of phreatomagmatic eruptions
J.D.L. White 155

Volcanic time-trend analysis
C.-H. Ho 171

The restless, resurgent Campi Flegrei nested caldera (Italy): constraints on its evolution and configuration
G. Orsi, S. De Vita and M. di Vito 179

Hydrothermal alteration of a rhyolitic hyaloclastite from Ponza Island, Italy
R.F. Ylagan, S.P. Altaner and A. Pozzuoli 215

Chemical and isotopic investigations of fumarolic gases from Ischia island (southern Italy): Evidences of magmatic and crustal contribution
D. Tedesco 233

Magma mixing, fractional crystallization and volatile degassing during the 1883 eruption of Krakatau volcano, Indonesia
C.W. Mandeville, S. Carey and H. Sigurdsson 243

Evolution of high-K arc magma, Egmont volcano, Taranaki, New Zealand: evidence from mineral chemistry
R.B. Stewart, R.C. Price and I.E.M. Smith 275

Helium isotope studies of geothermal fields in the Taupo Volcanic Zone, New Zealand
J.R. Hulston and J.E. Lupton 297

Book Reviews 323

Contents Volume 74 (1996) 327